



**CITY OF LODI  
COUNCIL COMMUNICATION**

**AGENDA ITEM**

**ES**

**AGENDA TITLE:** Approve Specifications and Authorize Advertisement for Bids for Necessary Process Chemicals for White Slough Water Pollution Control Facility, Fiscal Year 2006/07

**MEETING DATE:** June 7, 2006

**PREPARED BY:** Public Works Director

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**RECOMMENDED ACTION:** That the City Council approve specifications and authorize advertisement for bids for necessary process chemicals for the White Slough Water Pollution Control Facility (WSWPCF), fiscal year 2006/07.

**BACKGROUND INFORMATION:** The process chemical bids are requested for sodium hydroxide and liquid cationic coagulant. The sodium hydroxide, also known as caustic soda, is needed to adjust the pH of the effluent discharged from the WSWPCF. The liquid cationic coagulant is needed to remove solids and reduce turbidity in the treated effluent during process upsets.

The pH measurement is an indication of the acidity/alkalinity of the water. Wastewater can become acidic as the organics break down during the treatment process. When the pH falls below 6.5, it is necessary to add an alkalid, such as caustic soda to raise the pH. Turbidity is a measure of how clear the water is. When process upsets occur, the effluent may become cloudy, which is a violation of our discharge permit. The specifications provide for renewal by staff for an additional year. The specifications are on file in the Public Works Department at the Municipal Service Center.

**FISCAL IMPACT:** Because the annual usage can vary depending on the quantity and strength of the wastewater treated, the approximate annual purchase may be 20,000 gallons of sodium hydroxide and 40,000 pounds of coagulant. The estimated annual cost for sodium hydroxide will be \$53,000 and will be \$32,000 for the coagulant. The proposed operating budget has sufficient funds to cover these purchases.

**FUNDING AVAILABLE:** The money for these purchases will be coming from the WSWPCF Operating Budget in the proposed 2006/07 operating budget.

Project Estimate: \$85,000  
Budgeted: 2006/07 fiscal year  
Planned Bid Opening: June 28, 2006

*for Wally Sander*  
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for Richard C. Prima, Jr.  
Public Works Director *JRC*

Prepared by Del Kerlin, Assistant Wastewater Treatment Superintendent  
RCP/DK/dk

cc: D. Stephen Schwabauer, City Attorney  
Joel Harris, Purchasing Agent

Del Kerlin, Assistant Wastewater Treatment Superintendent

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**APPROVED:**

*Blair King*  
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Blair King, City Manager